

0214645022 BRIAR CREEK ABOVE COLONY ROAD AT CHARLOTTE, NC

LOCATION.--Lat 35°10'31", long 80°49'51", Mecklenburg County, Hydrologic Unit 03050103, on left bank on upstream side of third footbridge 900 feet upstream of Colony Road at Charlotte. Located within Myers Park Country Club.

DRAINAGE AREA.--19.0 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1995 to current year.

GAGE.--Water-stage recorder. Datum of gage is 598.02 ft, North American Vertical Datum of 1988. Radio telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Maximum gage height for period of record 15.41 ft, from floodmarks. Maximum discharge for period of record from slope-area measurement of peak flow. Minimum discharge for current water year also occurred June 20, 21.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Aug. 27, 1995 reached a stage of 15.6 ft, present site and datum, from floodmarks; discharge not determined.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.4	4.7	5.3	5.4	6.7	70	47	25	3.1	5.1	29	6.4
2	4.2	4.5	5.5	5.8	6.6	41	9.2	80	2.2	3.5	6.5	4.6
3	4.1	4.5	5.3	5.5	55	17	7.5	13	2.1	8.7	5.0	4.2
4	4.2	4.4	9.8	5.0	8.2	13	6.9	5.7	4.6	4.3	4.0	4.0
5	4.1	e4.5	12	24	6.9	11	6.4	4.6	2.3	26	3.9	3.8
6	4.0	e4.6	5.7	9.0	250	10	6.2	4.2	2.1	14	4.7	7.7
7	4.3	4.8	5.0	4.8	41	8.9	6.2	3.9	2.2	3.5	3.3	558
8	29	8.5	5.5	4.8	12	8.5	6.1	3.7	9.4	3.2	3.2	543
9	11	4.7	6.8	7.8	9.8	8.8	5.8	3.7	29	3.0	3.8	21
10	5.2	4.4	99	5.6	8.8	8.5	5.7	3.7	7.3	3.0	3.3	9.9
11	67	4.8	17	4.8	7.9	7.7	6.2	3.5	2.4	5.9	4.0	7.3
12	6.5	4.7	7.0	5.0	70	7.6	20	7.3	2.1	5.7	152	6.1
13	5.2	5.6	31	5.7	13	7.1	73	4.1	27	3.0	132	6.0
14	5.0	7.0	123	5.5	18	7.1	11	3.5	72	2.7	92	5.9
15	4.5	6.7	13	5.5	27	8.3	7.5	3.5	15	2.4	13	5.6
16	5.3	5.5	8.4	5.3	16	17	6.9	3.6	8.1	2.6	6.9	6.0
17	4.3	4.7	28	5.4	e9.2	8.1	6.4	3.9	3.0	112	5.3	226
18	4.4	5.1	8.7	14	8.4	8.6	6.1	3.7	2.5	376	4.8	16
19	4.3	37	7.3	5.9	8.0	12	5.8	6.1	2.2	7.7	5.0	7.8
20	4.3	6.9	6.6	5.6	7.5	7.1	5.8	3.7	2.0	5.0	4.7	6.6
21	4.3	5.1	e6.4	6.1	7.2	20	5.3	3.5	30	4.3	6.2	5.8
22	4.1	5.1	e6.5	5.5	6.6	8.0	5.0	3.3	4.4	4.0	5.3	5.7
23	3.9	4.9	6.5	5.1	7.0	6.4	4.8	3.1	123	3.8	4.3	5.6
24	3.8	5.5	7.2	5.2	7.4	6.7	4.8	2.9	43	3.7	4.0	4.9
25	3.8	6.4	6.6	8.1	6.6	6.9	4.8	2.7	83	3.4	3.8	5.4
26	6.7	5.3	6.1	7.0	13	6.5	6.2	2.6	51	4.1	3.6	4.8
27	5.2	5.1	6.1	10	52	6.2	6.9	2.5	6.0	244	3.4	152
28	34	6.5	6.2	12	73	6.2	4.6	4.0	4.2	23	3.3	836
29	47	6.5	6.1	8.5	61	5.9	4.5	3.0	3.7	172	4.2	22
30	6.8	5.2	6.2	7.1	---	12	4.5	2.9	3.5	12	95	12
31	5.1	---	5.4	6.6	---	68	---	21	---	5.6	104	---
TOTAL	310.0	193.2	479.2	221.6	823.8	440.1	307.1	241.9	552.4	1,077.2	761.3	2,510.1
MEAN	10.0	6.44	15.5	7.15	28.4	14.2	10.2	7.80	18.4	34.7	24.6	83.7
MAX	67	37	123	24	250	70	73	80	123	376	152	836
MIN	3.8	4.4	5.0	4.8	6.6	5.9	4.5	2.5	2.0	2.4	3.2	3.8
CFSM	0.53	0.34	0.81	0.38	1.50	0.75	0.54	0.41	0.97	1.83	1.29	4.40
IN.	0.61	0.38	0.94	0.43	1.61	0.86	0.60	0.47	1.08	2.11	1.49	4.91

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2004, BY WATER YEAR (WY)

MEAN	15.2	12.3	17.7	27.4	27.3	31.4	34.8	22.8	25.1	30.7	16.1	24.3
MAX	31.0	27.7	45.8	65.2	46.9	78.2	94.2	112	118	114	34.4	83.7
(WY)	(2000)	(2003)	(2003)	(1998)	(1998)	(2003)	(2003)	(2003)	(2003)	(1997)	(2003)	(2004)
MIN	2.29	3.49	5.83	7.15	8.05	11.5	5.93	7.80	2.99	8.57	1.80	7.49
(WY)	(2001)	(2002)	(2001)	(2004)	(2002)	(1999)	(2002)	(2004)	(2002)	(1996)	(2001)	(2002)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1996 - 2004	
ANNUAL TOTAL	17,322.9		7,917.9		24.1	
ANNUAL MEAN	47.5		21.6		53.3	
HIGHEST ANNUAL MEAN					10.8	2003
LOWEST ANNUAL MEAN					10.8	2002
HIGHEST DAILY MEAN	1,300	May 22	836	Sep 28	2,610	Jul 23, 1997
LOWEST DAILY MEAN	3.8	Oct 24	2.0	Jun 20	0.18	Aug 14, 2002
ANNUAL SEVEN-DAY MINIMUM	4.1	Oct 19	2.7	Jun 1	0.29	Aug 8, 2002
MAXIMUM PEAK FLOW			2,300	Sep 28	5,680*	Jul 23, 1997
MAXIMUM PEAK STAGE			10.67	Sep 28	15.41*	Jul 23, 1997
INSTANTANEOUS LOW FLOW			1.9*	Jun 8	0.12	Aug 13, 2002
ANNUAL RUNOFF (CFSM)	2.50		1.14		1.27	
ANNUAL RUNOFF (INCHES)	33.92		15.50		17.22	
10 PERCENT EXCEEDS	99		41		44	
50 PERCENT EXCEEDS	11		6.1		6.2	
90 PERCENT EXCEEDS	4.9		3.5		2.2	

* See REMARKS.
e Estimated.

